

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/501,628

Source: PCT/10

Date Processed by STIC: 12/6/04

# ***ENTERED***



PCT

## RAW SEQUENCE LISTING

DATE: 12/06/2004

PATENT APPLICATION: US/10/501,628

TIME: 11:41:00

Input Set : A:\96700-905 seq list.ST25.txt

Output Set: N:\CRF4\12062004\J501628.raw

```

3 <110> APPLICANT: ALBERT EINSTEIN COLLEGE OF MEDICINE OF YESHIVA UNIVERSITY
4     MARTIN, Alberto
5     SCHARFF, Matthew D.
7 <120> TITLE OF INVENTION: MUTATIONS CAUSED BY ACTIVATION-INDUCED CYTIDINE DEAMINASE
9 <130> FILE REFERENCE: 96700/905
11 <140> CURRENT APPLICATION NUMBER: US 10/501,628
12 <141> CURRENT FILING DATE: 2004-07-15
14 <150> PRIOR APPLICATION NUMBER: PCT/US03/01149
15 <151> PRIOR FILING DATE: 2003-01-15
17 <160> NUMBER OF SEQ ID NOS: 14
19 <170> SOFTWARE: PatentIn version 3.2
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 342
23 <212> TYPE: DNA
24 <213> ORGANISM: Mus sp.
26 <400> SEQUENCE: 1
27 gtccaactgc agcagcctgg ggctgagctt gtgaagcctg gggcttcagt gaagctgtcc      60
29 tgcaaggctt ctggctacac cttcaccagc tactggatgc actgggtgaa gcagaggcct      120
31 ggacgaggcc ttgagtggat tggaaggatt gatcctaata gtggtggtac taagtacaat      180
33 gagaagttca agagcaaggc cacactgact gtagacaaac cctccagcac agcctacatg      240
35 cagctcagca gcctgacatc tgaggactct gcggtctatt attgtgcaag aggggtactat      300
37 ggtatccact ttgactactg gggccaaggc accactctca ca                          342
40 <210> SEQ ID NO: 2
41 <211> LENGTH: 597
42 <212> TYPE: DNA
43 <213> ORGANISM: Homo sapiens
45 <400> SEQUENCE: 2
46 atggacagcc tcttgatgaa ccggaggaag tttctttacc aattcaaaaa tgtccgctgg      60
48 gctaagggtc ggcgtgagac ctacctgtgc tacgtagtga agaggcgtga cagtgtctaca      120
50 tcctttttcac tggactttgg ttatcttcgc aataagaacg gctgccacgt ggaattgctc      180
52 ttctctcgct acatctcgga ctgggacctg gacctggcc gctgctaccg cgtcacctgg      240
54 ttcacctcct ggagcccctg ctacgactgt gcccgcacatg tggccgactt tctgcgaggg      300
56 aaccccaacc tcagtctgag gatcttcacc gcgcgcctct acttctgtga ggaccgcaag      360
58 gctgagcccg aggggctgcg gcggctgcac cgcgccgggg tgcaaatagc catcatgacc      420
60 ttcaaagatt atttttactg ctggaatact tttgtagaaa accatgaaag aactttcaaa      480
62 gcctgggaag ggctgcatga aaattcagtt cgtctctcca gacagcttcg gcgcatcctt      540
64 ttgcccctgt atgaggttga tgacttacga gacgcatttc gtactttggg acttttga      597
67 <210> SEQ ID NO: 3
68 <211> LENGTH: 20
69 <212> TYPE: DNA
70 <213> ORGANISM: Artificial
72 <220> FEATURE:
73 <223> OTHER INFORMATION: primer

```

## RAW SEQUENCE LISTING

DATE: 12/06/2004

PATENT APPLICATION: US/10/501,628

TIME: 11:41:00

Input Set : A:\96700-905 seq list.ST25.txt

Output Set: N:\CRF4\12062004\J501628.raw

```

75 <400> SEQUENCE: 3
76 ttacctgggt ctatggcagt                                20
79 <210> SEQ ID NO: 4
80 <211> LENGTH: 19
81 <212> TYPE: DNA
82 <213> ORGANISM: Artificial
84 <220> FEATURE:
85 <223> OTHER INFORMATION: primer
87 <400> SEQUENCE: 4
88 tgaaggctca gaatcccc                                19
91 <210> SEQ ID NO: 5
92 <211> LENGTH: 23
93 <212> TYPE: DNA
94 <213> ORGANISM: Artificial
96 <220> FEATURE:
97 <223> OTHER INFORMATION: primer
99 <400> SEQUENCE: 5
100 cccctccttt gccgacatct tcc                        23
103 <210> SEQ ID NO: 6
104 <211> LENGTH: 22
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial
108 <220> FEATURE:
109 <223> OTHER INFORMATION: primer
111 <400> SEQUENCE: 6
112 tccattcctc ctggtcacag tc                        22
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 22
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial
120 <220> FEATURE:
121 <223> OTHER INFORMATION: primer
123 <400> SEQUENCE: 7
124 cacacagctc agacgcaacc cc                        22
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 28
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial
132 <220> FEATURE:
133 <223> OTHER INFORMATION: primer
135 <400> SEQUENCE: 8
136 ggatcattta ccaggagagt gggagagg                    28
139 <210> SEQ ID NO: 9
140 <211> LENGTH: 20
141 <212> TYPE: DNA
142 <213> ORGANISM: Artificial
144 <220> FEATURE:
145 <223> OTHER INFORMATION: primer
147 <400> SEQUENCE: 9

```

## RAW SEQUENCE LISTING

DATE: 12/06/2004

PATENT APPLICATION: US/10/501,628

TIME: 11:41:00

Input Set : A:\96700-905 seq list.ST25.txt

Output Set: N:\CRF4\12062004\J501628.raw

148 gaggcaagaa gacactctgg	20
151 <210> SEQ ID NO: 10	
152 <211> LENGTH: 20	
153 <212> TYPE: DNA	
154 <213> ORGANISM: Artificial	
156 <220> FEATURE:	
157 <223> OTHER INFORMATION: primer	
159 <400> SEQUENCE: 10	
160 gtgacattcc tggaagttgc	20
163 <210> SEQ ID NO: 11	
164 <211> LENGTH: 21	
165 <212> TYPE: DNA	
166 <213> ORGANISM: Artificial	
168 <220> FEATURE:	
169 <223> OTHER INFORMATION: primer	
171 <400> SEQUENCE: 11	
172 ccgctcttgc caaatgcttt g	21
175 <210> SEQ ID NO: 12	
176 <211> LENGTH: 22	
177 <212> TYPE: DNA	
178 <213> ORGANISM: Artificial	
180 <220> FEATURE:	
181 <223> OTHER INFORMATION: primer	
183 <400> SEQUENCE: 12	
184 cacgatactt catctcatct gg	22
187 <210> SEQ ID NO: 13	
188 <211> LENGTH: 21	
189 <212> TYPE: DNA	
190 <213> ORGANISM: Artificial	
192 <220> FEATURE:	
193 <223> OTHER INFORMATION: primer	
195 <400> SEQUENCE: 13	
196 agaaaaatggt aggcgcgcgt a	21
199 <210> SEQ ID NO: 14	
200 <211> LENGTH: 22	
201 <212> TYPE: DNA	
202 <213> ORGANISM: Artificial	
204 <220> FEATURE:	
205 <223> OTHER INFORMATION: primer	
207 <400> SEQUENCE: 14	
208 tcgactcatc tcagcattaa ag	22

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 12/06/2004

PATENT APPLICATION: US/10/501,628

TIME: 11:41:01

Input Set : A:\96700-905 seq list.ST25.txt

Output Set: N:\CRF4\12062004\J501628.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,  
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:3,4,5,6,7,8,9,10,11,12,13,14

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/501,628

DATE: 12/06/2004

TIME: 11:41:01

Input Set : A:\96700-905 seq list.ST25.txt

Output Set: N:\CRF4\12062004\J501628.raw